

WHAT IS CLAIMED IS:

1 1. A method comprising:
2 detecting data for a client, the data being detected on a server in a cellular
3 network having one or more servers;
4 determining the client's paging address;
5 utilizing a paging functionality to notify the client that the client has data;
6 and
7 in response to the client connecting to the cellular network and requesting
8 the data, sending the data to the client.

1 2. The method of claim 1, wherein the sending the data to the client
2 comprises sending the data to the client using TCP/IP (Transmission
3 Control Protocol/Internet Protocol).

1 3. The method of claim 1, wherein the cellular based network comprises
2 GPRS (General Packet Radio System).

1 4. The method of claim 3, wherein the paging functionality comprises a
2 cellular based paging functionality.

1 5. The method of claim 4, wherein the paging functionality comprises SMS
2 (Short Message System).

1 6. A method comprising:
2 receiving a page from a paging functionality , the page being indicative of
3 data arriving on one of a number of servers in a cellular network;
4 and
5 in response to receiving the page, connecting to the cellular network to
6 receive the data.

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- 1 7. The method of claim 6, wherein the cellular-telephony-based network
2 comprises GPRS (General Packet Radio System).
- 1 8. The method of claim 7, wherein the paging functionality comprises SMS
2 (Short Message System).
- 1 9. The method of claim 6, wherein the page comprises a server identification
2 corresponding to the server.
- 1 10. The method of claim 6, wherein the connection is made automatically.
- 1 11. The method of claim 6, wherein the connection is made manually by a
2 user on the client.
- 1 12. The method of claim 6, wherein the client comprises a mobile device.
- 1 13. An apparatus comprising:
2 a detector module to detect data arriving for a given client on a server in a
3 cellular network having one or more servers;
4 a lookup module to determine the given client's paging address in
5 response to the detector module detecting data arriving on one of
6 the servers, the determining in response to the detector module
7 detecting data; and
8 a callout module to utilize a paging functionality to notify the client that the
9 client has data, the notifying in response to the lookup module
10 determining the client's paging address.
- 1 14. The apparatus of claim 13, wherein the cellular network comprises GPRS
2 (General Packet Radio System).
- 3 15. The apparatus of claim 14, wherein the paging functionality comprises a
4 cellular based paging functionality.

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- 1 16. The method of claim 15, wherein the paging functionality comprises SMS
2 (Short Message System).
- 1 17. An apparatus comprising:
2 means for detecting data arriving for a given client on a server in a cellular
3 network having one or more servers;
4 means for determining the given client's paging address in response to the
5 detector module detecting data arriving on one of the servers, the
6 determining in response to the detector module detecting data; and
7 means for utilizing a paging functionality to notify the client that the client
8 has data, the notifying in response to the lookup module
9 determining the client's paging address.
- 1 18. The apparatus of claim 17, wherein the client comprises a mobile device.
- 1 19. The apparatus of claim 17, wherein the cellular network comprises GPRS
2 (General Packet Radio System).
- 1 20. The method of claim 19, wherein the paging functionality comprises SMS
2 (Short Message System).
- 1 21. A system comprising:
2 at least one server, the server to:
3 receive data for one or more clients in a cellular network;
4 send the data to a given one of the clients in response to the given
5 client connecting to the network and requesting the data;
6 and
7 an interceptor in communication with the at least one server, the
8 interceptor to:
9 detect that one of the at least one servers has received data for a

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given client;

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determine the given client's paging address; and

utilize a paging functionality to notify the given client that the given client has data; and

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the paging functionality in communication with the interceptor to notify the

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given client that the given client has data.

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22. The system of claim 21, wherein the cellular network comprises GPRS (General Packet Radio System).

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23. The method of claim 22, wherein the paging functionality comprises a cellular based paging functionality.

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24. A machine-readable medium having stored thereon data representing sequences of instructions, the sequences of instructions which, when executed by a processor, cause the processor to perform the following:
detect data for a client, the data being detected on a server in a cellular network having one or more servers;

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determine the client's paging address;

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utilize a paging functionality to notify the client that the client has data; and

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in response to the client connecting to the cellular network and requesting

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the data, send the data to the client.

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25. The method of claim 24, wherein the sending the data to the client comprises sending the data to the client using TCP/IP (Transmission Control Protocol/Internet Protocol).

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26. The method of claim 24, wherein the cellular based network comprises GPRS (General Packet Radio System).

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27. The method of claim 26, wherein the paging functionality comprises SMS

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2 (Short Message System).

1 28. An apparatus comprising:

2 at least one processor; and

3 a machine-readable medium having instructions encoded thereon, which

4 when executed by the processor, are capable of directing the
processor to:

1 detect data for a client, the data being detected on a server in a
2 cellular network having one or more servers;

3 determine the client's paging address;

4 utilize a paging functionality to notify the client that the client has
5 data; and

6 in response to the client connecting to the cellular network and
7 requesting the data, send the data to the client.

1 29. The method of claim 28, wherein the sending the data to the client
2 comprises sending the data to the client using TCP/IP (Transmission
3 Control Protocol/Internet Protocol).

1 30. The method of claim 28, wherein the cellular based network comprises
2 GPRS (General Packet Radio System).

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